

FIGURE 2 A

XbaI	*	PstI	HgaI
<u>TCTAGAGTC</u>	ATGAAACAAC	AAAAACGGCT	<u>TTGCTGACGC</u> TGTTATTTCG
			HgaI
GCTCATCTTC	TTGCTGCCCTC	<u>ATTCTGCAGC</u>	AGCGGGCGCA AATCTTAATG <u>GGACGCTGAT</u>
GCAGTATTTT	GAATGGTACA	TGCCCCAATGA	CGGCCAACAT TGGAAGCGTT TGCAAAACGA
CTCGGGCATAT	TTGGGCTGAAC	ACGGTATTAC	TGCCGCTCTGG ATTCCCCCGG CATATAAGGG
AACGAGCCAA	GCGGATGTGG	GCTACGGTGC	TTACGACCTT TATGATTTAG GGGAGTTTCA
TCAAAAAAGG	ACGGTTCCGA	CAAAGTACGG	CACAAAAGGA GAGCTGCAAT CTGCGATCAA
AAGTCTTCAT	TCCCCGGACA	TTAAACGTTTA	CGGGGATGTG GTCATCAACC ACAAAGGCGG
CGCTGATGCG	ACCGAAGATG	TAACCGCGGT	TGAAGTCGAT CCGGCTGACC GCAACCGCGT
AATTTCAGGA	GAACACCTAA	TTAAAGCCTG	GACACATTTT CATTTTCCGG GCGCGGCGAG
CACATACAGC	GATTTTAAAT	GGCATTGGTA	CCATTTTGAC GGAACCGATT GGGACGAGTC
CCGAAAGCTG	AACCGCATCT	ATAAGTTTCA	AGGAAAGGCT TGGGATTGGG AAGTTTCCAA
TGAAAAACGGC	AACATATGATT	ATTTGATGTA	TGCCGACATC GATTATGACC ATCCTGATGT
CGCAGCAGAA	ATTAAGAGAT	GGGGCACTTG	GTATGCCAAT GAACTGCAAT TGGACGGTTT
CCGTCTTGAT	GCTGTCAAAC	ACATTAAATT	TTCTTTTTTG CGGGATTGGG TTAATCATGT
CAGGGA AAAA	ACGGGGAAGG	AAATGTTTAC	GGTAGCTGAA TATTGCCAGA ATGACTTGGG

CCGCGCTGGAA AACTATTGA ACAAACAAA TTTTAAATCAT TCAGTGTTTG ACGTGCCGCT
TCATTATCAG TTCCATGCTG CATCGACACA GGGAGGCGGC TATGATATGA GGAATTTGCT
GAAACGGTACG GTCGTTTCCA AGCATCCGTT GAAATCGGTT ACATTTGTCG ATAACCATGA

Sali

Sali

TATACACAGCG GGGCAATCGC TTGAGTCGAC TGTCCAAACA TGTCTTAAGC CGCTTGCTTA
 CGCTTTTATT CTCACAAGGG AATCTGGATA CCCTCAGGTT TTCTACGGGG ATATGTACGG
 GACGACGAAAGGA GACTCCCAGC GCGAAATTCC TGCCTTGAAA CACAAAATTG AACCGATCTT
 AAAAGCGAGA AAACAGTATG CGTACGGAGC ACAGCATGAT TATTTTCGACC ACCATGACAT
 TGTGCGGCTGG ACAAGGGAAG GCGACAGCTC GGTTCGAAAT TCAGGTTTGG CGGCATTAAT
 AACAGACCGA CCCGGTGGG CAAAGCGAAT GTATGTCGGC CGGCAAAACG CCGGTGAGAC
 ATGGCATGAC ATTACCGGAA ACCGTTCCGA GCCGGTTGTC ATCAATTCCG AAGGCTGGGG
 AGAGTTTCAC GTAAACGGCG GGTCCGTTTC AATTATGTT CAAAGATAGA AGACGAGAGA

BamHI

GGACGGATT CCTGAAGGA ATCCGTTTT TTATTTTGCC CGTCTTATAA ATTCTTTGA
TTACATTTTA TAATTAAATT TAACAAAGTG TCATCAGCCC TCAGGAAGGA CTTGCTGACA
GTTTGAATCG CATAGGTAAG GCGGGGATGA AATGGCAACG TTATCTGATG TAGCAAAGAA
BclI

BclF

AGCAAATGTG TCGAAATGA CGGTATCGCG GGTGATCA

GGTGATCA

SEQ ID NO:5

FIGURE 3

Oligonucleotide duplex A

		<u>NcoI</u>		<u>BamHI</u>	<u>HindIII</u>	
		[]		[]	[]	
5'	GGGTTT	TATTTT	TAATTT	TCTTTT	CAAAAT	ACTTCCACCATGGGTAACGGATCCA
3'	CCCAAA	ATAAAA	TTAAAG	TTTATG	AAGGTG	TACCCATTGCCCTAGGTTCCA
						3' SEQ ID NO:6
						5' SEQ ID NO:7

Oligonucleotide duplex B

		<u>NcoI</u>			<u>HgaI</u>	SITE
		[]			[]	α -AMYLASE
5'	CATG	GCAA	TCTT	AATG	GACG	CTGATG
3'	CGTT	AGAA	TTAC	CTGC	GACTAC	GTTCAT
						3' SEQ ID NO:8
						5' SEQ ID NO:9
						Met mature α -Amylase

FIGURE 2 A

XbaI	*	PstI	HqaI
<u>TCTAGAGTC</u>	ATGAAACAAC	AAAAACGGCT	TTACGCCCGA <u>TTGCTGACGC</u> TGTATTTCG
GCTCATCTTC	TTGCTGCCTC	<u>ATTCTGCAGC</u>	AGCGGGCGCA AATCTTAATG <u>GGACGCTGAT</u>
GCAGTATTTT	GAATGGTACA	TGCCCAATGA	CGGCCAACAT TGGAAAGCGTT TGCAAAACGA
CTCGGCATAT	TTGGCTGAAC	ACGGTATTAC	TGCCGTCTGG ATTCCCCCGG CATATAAGGG
AACGAGCCAA	GCGGATGTGG	GCTACGGTGC	TTACGACCTT TATGATTTAG GGGAGTTTCA
TCAAAAAAGG	ACGGTTCGGA	CAAAGTACGG	CACAAAAGGA GAGCTGCAAT CTGCGATCAA
AAGTCTTCAT	TCCCCGCGACA	TTAAACGTTA	CGGGGATGTG GTCATCAACC ACAAAGGCGG
CGCTGATGCG	ACCGAAGATG	TAACCGCGGT	TGAAGTCGAT CCCGCTGACC GCAACCGCGT
AATTTCAGGA	GAACACCTAA	TTAAAAGCCTG	GACACATTTT CATTTTCCGG GCGCGGCGAG
CACATACAGC	GATTTTAAAT	GGCATTTGGTA	CCATTTTGAC GGAACCGATT GGGACGAGTC
CCGAAAAGCTG	AACCGCATCT	ATAAGTTTCA	AGGAAAGGCT TGGGATTGGG AAGTTTCCAA
TGAAAAACGGC	AACATATGATT	ATTTGATGTA	TGCCGACATC GATTATGACC ATCCTGATGT
CGCAGCAGAA	ATTAAAGAGAT	GGGGCACTTG	GTATGCCAAT GAACTGCAAT TGGACGGTTT
CCGTCTTGAT	GCTGTCAAAC	ACATTAAATT	TTCTTTTTTG CGGGATTGGG TTAATCATGT
CAGGGA AAAA	ACGGGGAAGG	AAATGTTTAC	GGTAGCTGAA TATTGGCAGA ATGACTTGGG

FIGURE 2B

CGCGCTGGAA AACTATTGA ACAAACAAA TTTTAATCAT TCAGTGTTTG ACGTGCCGCT
TCATTATCAG TTCCATGCTG CATCGACACA GGGAGCGGC TATGATATGA GGAAATTGCT
GAACGGTACG GTCGTTTCCA AGCATCCGTT GAAATCGGTT ACATTGTGCG ATAACCATGA

Sali

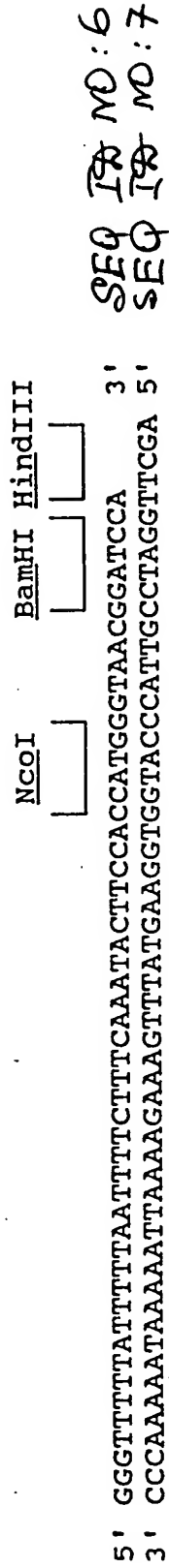
TACACAGCCG GGGCAATCGC TTGAGTCGAC TGTCCAAACA TGGTTTAAGC CGCTTGCTTA
CGCTTTTATT CTCACAAGGG AATCTGGATA CCCTCAGGTT TTCTACGGGG ATATGTACGG
GACGAAAGGA GACTCCAGC GCGAAATCC TGCCTTGAAA CACAAAATG AACCGATCTT
AAAAGCGAGA AACAGTATG CGTACGGAGC ACAGCATGAT TATTTGACC ACCATGACAT
TGTCGGCTGG ACAAGGGAAG GCGACAGCTC GGTTCGAAAT TCAGGTTTGG CGGCATTAAT
AACAGACGGA CCCGGTGGG CAAAGCGAAT GTATGTCGGC CGGCAAAACG CCGGTGAGAC
ATGGCATGAC ATTACCGGAA ACCGTTCGGA GCCGGTTGTC ATCAATTCCG AAGGCTGGGG
AGAGTTTCAC GTAAACGGCG GGTCGGTTTC AATTATGTT CAAAGATAGA AGACAGAGA

ВамHI

GGACGGATT CCTGAAGGAA ATCCGTTTTT TTATTTTGCC CGTCTTATAA ATTTCTTTGA
 TTACATTTTA TAATTAATTT TAACAAAGTG TCATCAGCCC TCAGGAAGGA CTGTCTGACA
 GTTTGAATCG CATAGGTAAG GCGGGGATGA AATGGCAACG TTATCTGATG TAGCAAAGAA
BclI
 AGCAAAATGT TCGAAAATGA CCGTATCGCG GGTGATCA SEQ ID NO: 5

FIGURE 3

Oligonucleotide duplex A



Oligonucleotide duplex B

